

Response: This work does not involve water resources as described by this chapter.

14. Chapter 376, Pollutant Spill Prevention and Control.

This chapter regulates the transfer, storage, and transportation of pollutants and the cleanup of pollutant discharges.

Response: This work does not involve the transportation or discharging of pollutants. Condition will be placed in the contract to handle any inadvertent spill of pollutants. Therefore, the project would comply with this Act.

15. Chapter 377, Oil and Gas Exploration and Production.

This chapter authorizes the regulation of all phases of exploration, drilling, and production of oil, gas, and other petroleum products.

Response: This work does not involve the exploration, drilling or production of gas, oil or petroleum product and therefore does not apply.

16. Chapter 380, Environmental Land and Water Management.

This chapter establishes criteria and procedures to assure that local land development decisions consider the regional impact nature of proposed large-scale development.

Response: The maintenance dredging of the waterway has been coordinated with the local regional planning commission. Therefore, the work would be consistent with the goals of this chapter.

17. Chapter 388, Arthropod Control.

This chapter provides for a comprehensive approach for abatement or suppression of mosquitoes and other pest arthropods within the state.

Response: The work would not further the propagation of mosquitoes or other pest arthropods.

18. Chapter 403, Environmental Control.

This chapter authorizes the regulation of pollution of the air and waters of the state by the DEP.

Response: The DEP issued a water quality certification for the project. No air pollution permits are necessary for the project. Effects of the operation of construction equipment on air quality would be minor. Therefore, the work is complying with the intent of this chapter.

19. Chapter 582, Soil and Water Conservation.

This chapter establishes policy for the conservation of the state soil and water through the Department of Agriculture. Land use policies will be evaluated in terms of their tendency to cause or contribute to soil erosion or to conserve, develop, and utilize soil and water resources both onsite or in adjoining properties affected by the work. Particular attention will be given to work on or near agricultural lands.

Response: The proposed work is not located near or on agricultural lands. Conditions will be placed in the contract to control erosion of uplands. Therefore, the project would comply with this chapter.

APPENDIX IV

SECTION 404(b)(1) EVALUATION

SECTION 404(b)(1) EVALUATION DREDGED MATERIAL

I. Project Description

a. Location. Atlantic Intracoastal Waterway, Vicinity Sawpit Creek, Nassau and Duval County, Florida.

b. General Description. The proposed maintenance dredging of Atlantic Intracoastal waterway (AIWW) which includes the excavation of shoaled bottom material from the Amelia River south to the St Johns River. Dredging would be required to a depth of 14 feet which is the 12-foot project depth plus 2 feet of allowable overdepth. The length of the area to be maintained is approximately 21.9 miles. Dredging from Cut 22 south to Cut 12 near the Fort George River would be placed in Dredged Material Management Area DU-3/4, West Central Black Hammock Island. Dredging from Cut 11 south near the Fort George River to the St. Johns River would be placed in Dredged Material Management Area DU-20 at Fanning Island. The maximum pumping distance for this dredging is approximately 6 miles. Dredged material from Cuts 11 - 27 would be placed in the Diked upland disposal area DA-1 Northeast Black Hammock Island. In addition, beach quality material from these northern areas would be placed on Amelia Island Beach from the north jetty to 2000' north.

c. Authority and Purpose. The maintenance of the AIWW was authorized by House Document 618, 75th Congress, 3rd Session dated 20 June 1938. Since the initial maintenance, sand and sediments have periodically accumulated in the channel reducing the navigable capacity of the project. The navigation channel is used by large, deep-draft ocean going vessels. The channel depths are reduced by sedimentation. In order to maintain the Federal standard, the channel must be dredged.

d. General Description of Dredged or Fill Material

(1) General Characteristics of Material. The material to be dredged would be generally sandy material. Some of this material is beach quality.

(2) Quantity of Material. The total material would be approximately 415,000 cubic yards. Of this total approximately 315,000 cubic yards is beach quality.

(3) Source of Material. The material would come from sediments deposited in the AIWW.

e. Description of the Proposed Discharge Site.

(1) Size and Location. Northeast Black Hammock Island disposal site is located in Duval County along the AIWW at Cut 26. The beach placement area originates on Amelia Island Beach immediately north of the north jetty and extends 2000' north.

(2) Type of Site. A diked upland disposal site with a return water outlet and a beach placement area.

(3) Type of Habitat. The return water would be discharged to the St. Johns River and the Atlantic Ocean.

(4) Timing and Duration of Discharge. Dredging will be conducted during the winter window of FY97.

f. Description of Disposal Method. The material will be pumped into the disposal site and onto the beach placement area where sediments will settle out before the return water is discharge into the adjacent St. Johns River and Atlantic Ocean.

II. Factual Determinations

a. Physical Substrate Determinations.

(1) Substrate Elevation and Slope. The placement in the upland disposal areas is not applicable to this topic. The beach area has a stable slope. The material would be placed along the beach with a 60-foot wide berm. Wind and wave action would cause the newly placed material to reach an equilibrium.

(2) Sediment Type. The disposal site is the return water outlet from the disposal area. The river and beach bottom at the site of effluent return from the disposal areas will not be affected by the discharge because turbidity standards will be met.

(3) Dredged/Fill Material Movement. The dredged material is confined within an existing disposal site. Effluent discharges entering the adjacent waters will not have enough suspended particulates to cause dredge material deposition and movement concerns.

(4) Physical Effects on Benthos. No effects are expected from the effluent return. Beach placement would cover most of the benthic like that is typical of the beach and surf zone.

(5) Other Effects. None.

(6) Actions Taken to Minimize Impacts. The type of material has been restricted to that containing 10% fines or less. Berms are generally constructed using newly deposited material to confine runoff and help the sandy material deposit more readily.

b. Water Circulation, Fluctuation and Salinity Determinations

(1) Water

(a) Salinity. No impacts to salinity at disposal site.

(b) Water Chemistry. Effluent out of the return water discharge pipe will meet State water quality criteria.

(c) Clarity. Effluent out of the return water pipe will meet State water quality criteria for turbidity.

(d) Color. There would be no relative differences to receiving water color expected.

(e) Odor. The disposal site is removed from inhabited areas and odors will be temporary. The effluent return to the beach should have little or no odor and is not expected to cause either short or long-term odor problems in the ocean.

(f) Taste. Not applicable.

(g) Dissolved Gas Levels. Dissolved oxygen levels in the return effluent should be sufficient to preclude adverse effects in the receiving waters.

(h) Nutrients. Not applicable.

(i) Eutrophication. Not applicable.

(2) Current Patterns and Circulation. Not applicable.

(3) Normal Water Level Fluctuations. Not applicable.

(4) Salinity Gradients. Not applicable.

(5) Actions That Will Be Taken to Minimize Impacts. The disposal site will be operated to maintain state water quality standards.

c. Suspended Particulate/Turbidity Determinations

(1) Expected Changes in Suspended Particulate and Turbidity Levels in Vicinity of Disposal Sites. There will be a short-term increase in the suspended particulate/turbidity in the return effluent from the disposal area. Levels should not exceed state standard.

(2) Effects (degree and duration) on Chemical and Physical values

(a) Light penetration. Slight light penetration reduction will be temporarily experienced at the disposal site effluent return.

(b) Dissolved Oxygen. Dissolved oxygen (D.O.) levels in return water may be lower than the D.O. receiving waters due to increased biological oxygen demand (BOD) in the dredged material, but D.O. levels should not be so low as to cause adverse impacts biota at the site.

(c) Toxic Metals and Organics. Not applicable.

(d) Pathogens. Not Applicable.

(e) Aesthetics. No appreciable impact at the disposal site because dredging and disposal are common practices within the waterway as is beach nourishment at Amelia Island Beach.

(f) Others as Appropriate. None.

(3) Effects on Biota (consider environmental values in sections 230.21, as appropriate)

(a) Primary Production, Photosynthesis.

(b) Suspension/Filter Feeders. Little or no impact is expected.

(c) Sight Feeders. Little or no impact is expected.

(4) Actions taken to Minimize Impacts. Dredged material will be dewatered in a diked disposal site and most suspended particulates will settle out before the effluent is returned to the waterway. Material placed on the beach will be suitably sandy and therefore, suspended particulates will settle out before effluent reaches ocean waters.

d. Contaminant Determinations. No sources of pollution have been identified

in the project area, therefore, no contaminants are expected to be encountered.

e. Aquatic Ecosystem and Organism Determinations

(1) Effects on Plankton. No significant effects.

(2) Effects on Benthos. There would be no significant impacts on benthos in the area from the return water plume.

(3) Effects on Nekton. There would be no significant impact on the nekton community within the waterway or beach area from this dredging and disposal occurrence.

(4) Effects on Aquatic Food Web. There would be no significant impact on the aquatic food web within the project waters from this dredging and disposal occurrence.

(5) Effects on Special Aquatic Sites.

(a) Sanctuaries and Refuges. Not applicable.

(b) Wetlands. Not applicable.

(c) Mud Flats. Not applicable.

(d) Vegetated Shallows. None would be affected.

(e) Coral Reefs. Not applicable.

(f) Riffle and Pool Complexes. Not applicable.

(6) Threatened and Endangered Species. None would be affected.

(7) Other Wildlife. None would be affected.

(8) Actions to Minimize Impacts. Precautions will also be taken to avoid impacting manatees and sea turtles within the work area.

f. Proposed Disposal Site Determinations

(1) Mixing Zone Determination. Not applicable.

(2) Determination of Compliance with Applicable Water Quality Standards. The discharge of effluent out of the discharge pipe at the disposal area

must comply with State water quality standards.

(3) Potential Effects on Human Use Characteristic

(a) Municipal and Private Water Supply. Not applicable.

(b) Recreational and Commercial Fisheries. Immediate impacts to commercial fisheries resources will be insignificant.

(c) Water Related Recreation. Not applicable.

(d) Aesthetics. There will be minor impacts on aesthetics because the AIWW is dredged occasionally and this operation is located near inhabited areas. There would be impacts on the landscape at the beach disposal site from the construction equipment and the discharge of effluent.

(e) Parks, National and Historical Monuments, National Seashores, Wilderness Areas, Research Sites, and Similar Preserves. The AIWW passes through the Timucuan Ecological and Historical Preserve. The maintenance dredging and disposal does not adversely impact the integrity of this facility.

g. Determination of Cumulative Effects on the Aquatic Ecosystem. Over the long-term, return water effluent discharges and sedimentation could affect the benthic habitat adjacent to the disposal sites.

h. Determination of Secondary Effects on the Aquatic Ecosystem. Not applicable.

APPENDIX V

COORDINATION DOCUMENTATION



DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32232-0019

REPLY TO
ATTENTION OF

FEB 9 1995

Construction-Operations Division
Public Notice Number PN-SPH-197

PUBLIC NOTICE

TO WHOM IT MAY CONCERN: The District Engineer, Jacksonville District, U.S. Army Corps of Engineers, has forwarded an application to the State of Florida Department of Environmental Protection pursuant to Section 401 of the Clean Water Act of 1977. This Federal project is being evaluated and coordinated pursuant to 33 CFR 335 through 338.

Comments regarding the project should be submitted in writing to the District Engineer at the above address within 30 days from the date of this notice. Any person who has an interest which may be affected by the construction of this project may request a public hearing. The request must be submitted in writing to the District Engineer within 30 days of the date of this notice and must clearly set forth the interest which may be affected and the manner in which the interest may be affected by this activity.

If you have any questions concerning this application, you may contact Mr. Donald Fore of this office, telephone 904-232-3729.

WATERWAY & LOCATION: Atlantic Intracoastal Waterway (AIWW) between Norfolk, Virginia, and the St. Johns River, Florida, and Intracoastal Waterway (IWW) Jacksonville to Miami, Florida. (Nassau and Duval Counties).

WORK & PURPOSE: The proposed work will be routine maintenance dredging of the AIWW and IWW (as shown in the attached drawings), for the purpose of restoring the navigation channel to authorized depths. The AIWW dredging will include the South Amelia River, Sawpit Creek, and Sisters Creek. The dredge material is planned to be placed in two upland dredge disposal sites, Disposal Area DU-2 (Northeast Black Hammock Island), Disposal Area D/A-C (West Central Black Hammock Island), or the beach. The IWW dredging will be done in the vicinity of Atlantic Boulevard on Pablo Creek. The IWW dredge material will be placed in Disposal Area DU-8 (Moody Marine). The channel will be mechanically and/or hydraulically dredged to restore the authorized navigation depths. All dredging operations will conform with the provisions of the State Water Quality Certificate.

PROJECT AUTHORIZATION: Atlantic Intracoastal Waterway between Norfolk, Virginia, and the St. Johns River, Florida - House Document 618, 75th Congress, 3rd Session. Intracoastal Waterway Jacksonville to Miami, Florida - House Document 740, 79th Congress, 2nd Session, modified by Chief of Engineers Report 22 July 1960.

EVALUATION: An environmental assessment is being prepared to evaluate the impacts of the project. A preliminary environmental evaluation indicates that the proposed action would have no significant impact on the quality of the human environment and an Environmental Impact Statement pursuant to the National Environmental Policy Act (NEPA) is not required. A final determination will be made when all comments are reviewed. The appropriate NEPA documents will be made available upon request.

APPLICABLE LAWS: The following laws are, or may be, applicable to the review of the proposed disposal sites and to the activities affiliated with this Federal project:

1. Section 404 of the Clean Water Act of 1977 (PL 95-217) (33 U.S.C. 1344).
2. Section 103 of the Marine Protection, Research, and Sanctuaries Act of 1972 (PL 92-532) (33 U.S.C. 1413, 86 Stat. 1052).
3. Section 302 of the Marine Protection, Research, and Sanctuaries Act of 1972 (PL 92-532, 86 Stat. 1052).
4. The National Environmental Policy Act of 1969 (PL 91-190) (42 U.S.C. 4321-4347).
5. Sections 307(c) (1) and (2) of the Coastal Zone Management Act of 1972 (16 U.S.C. 1456 (c)(1) and (2), 86 Stat. 1280).
6. The Fish and Wildlife Act of 1956 (16 U.S.C. 472a et seq.).
7. The Migratory Marine Game-Fish Act of 1959 (16 U.S.C. 760c-760g).
8. The Fish and Wildlife Coordination Act of 1958 (16 U.S.C. 661-666c).
9. The Endangered Species Act of 1973 (PL 93-205) 16 U.S.C. 668aa-668cc-6, 87 Stat. 884).
10. The National Historic Preservation Act of 1966 (16 U.S.C. 470, 80 Stat. 915).
11. Section 313 of the Clean Water Act of 1977 (33 U.S.C. 1323, 82 Stat. 816).

COASTAL ZONE MANAGEMENT: The proposal has been evaluated in accordance with the Florida Coastal Zone Management Act and was determined to be consistent with the goals and intent of the appropriate State statutes. This determination is based on the Preliminary Environmental Assessment and the Coastal Zone Consistency Determination. Full compliance will be achieved by issuance of the necessary permits from the State.

ENDANGERED SPECIES: Consultation with the National Marine Fisheries Service and the U.S. Fish and Wildlife Service pursuant to Section 7 of the Endangered Species Act will be conducted. Based on our evaluation a "No Effects" determination has been made regarding manatees and shortnosed sturgeon. A "May Effects" determination has been reached concerning impacts on sea turtles and their nesting in the beach placement area. A Biological Assessment will be prepared and submitted to the USFWS pursuant to Section 7 of the Act.

OTHER IMPORTANT RESOURCES: Other important resources considered in the environmental assessment will include emergent wetlands. It has been determined that the project will not effect either of these resources.

EVALUATION FACTORS: All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, consideration of property ownership and, in general, the needs and welfare of the people.

DISSEMINATION OF NOTICE: You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have an interest in this matter.

COORDINATION: This notice is being sent to, and coordinated with, the following agencies:

FEDERAL AGENCIES:

Commander, Seventh Coast Guard District, Miami, FL
Director, Atlantic Marine Cnt., NOAA, Norfolk, VA
FDA, Regional Shellfish Specialist, Atlanta, GA
Director, National Park Service, Southeast Region, Atlanta, GA
Regional Director, National Park Service, SE Region, Atlanta, GA
Regional Director, Fish & Wildlife Service, Atlanta, GA
Field Supervisor, Fish & Wildlife Service, Jacksonville, FL
Field Supervisor, Fish & Wildlife Service, Vero Beach, FL
Regional Hydrologist, U.S. Geological Survey, Atlanta, GA
District Chief, U.S. Geological Survey, WRD, Tallahassee, FL
Regional Hydrologist, NOAA, National Weather Ser., Fort Worth, TX

Southeast River Forecast Cnt., NOAA, National Weather Service,
Atlanta, GA
Environmental Protection Agency, Office of Federal Activities,
Washington, D.C.
Environmental Protection Agency, Region IV, Atlanta, GA
Federal Energy Regulatory Commission, Atlanta, GA
National Marine Fisheries Service, EA Branch, Panama City, FL
National Marine Fisheries Service, EA Branch, St. Petersburg, FL
Federal Maritime Commission, Office of Environmental Impact,
Washington, D.C.
USDA, Soil Conservation Service, Gainesville, FL
Federal Highway Administration, Tallahassee, FL
Water Resources Coordinator, National Marine Fisheries Service,
Tallahassee, FL

STATE AGENCIES:

Executive Director, DEP, Tallahassee, FL
DEP, Division of Beaches and Shores, Tallahassee, FL
Florida Game & Fresh Water Commission, Lakeland, FL
Secretary, Dept. of Environmental Protection, Tallahassee, FL
Department of Agriculture, Bureau of Soil & Water Conservation,
Gainesville, FL
Director, Div. of Archives, History & Records Management,
Tallahassee, FL
Secretary, Department of Transportation, Tallahassee, FL
State Clearinghouse, Office of Planning & Budgeting,
Tallahassee, FL
Executive Director, Florida Inland Navigation District,
Jupiter, FL

ENVIRONMENTAL ORGANIZATIONS:

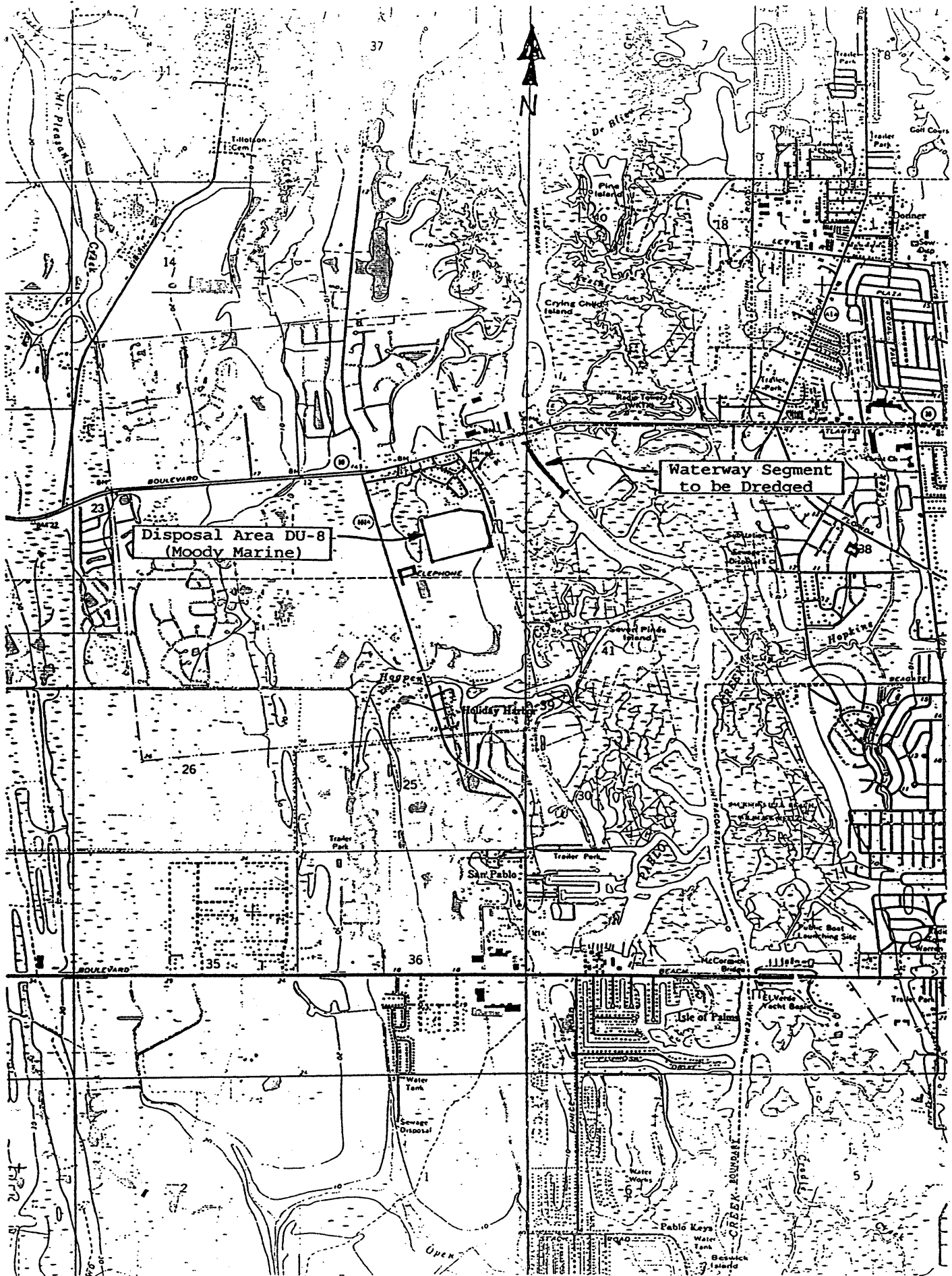
Executive Director, Florida Audubon Society, Maitland, FL
National Estuary Program, St. Petersburg, FL
Executive Director, Florida Wildlife Federation,
West Palm Beach, FL

LOCAL GOVERNMENTS:

Board of Commissioners, Nassau County
Board of Commissioners, Duval County
Director, Jacksonville Port Authority
City of Jacksonville

FOR THE COMMANDER:


GIRLAMO DICHARA
Chief, Construction-Operations
Division



U. S. Army Corps of Engineers
Jacksonville District



FLORIDA DEPARTMENT OF STATE

Sandra B. Mortham
Secretary of State

DIVISION OF HISTORICAL RESOURCES

R.A. Gray Building
500 South Bronough Street
Tallahassee, Florida 32399-0250

Director's Office
(904 488-1480)

Telecopier Number (FAX)
(904) 488-3353

April 28, 1995

Mr. Giralmo DiChiara
Construction-Operations
Division
Department of the Army
Jacksonville District
Corps of Engineers
P. O. Box 4970
Jacksonville, Florida 32232-0019

In Reply Refer To:
Robin D. Jackson
Historic Sites
Specialist
(904) 487-2333
Project File No. 950477

RE: Cultural Resource Assessment Request
Public Notice Number PN-SPH-197
Routine Maintenance Dredging of the AIWW and IWW
(South Amelia River, Sawpit Creek and Sisters Creek)
Disposal Areas DU-2 (Northeast Black Hammock Island),
D/A-C (West Central Black Hammock Island), or beach and
DU-8 (Moody Marine)
Nassau County, Florida

Dear Mr. DiChiara:

We understand that we have missed the review deadline for this application. However, we did want to inform you that there are two archaeological sites that may fall within two of the proposed disposal areas (maps enclosed). Site 8DU3, a small burial mound, may be located in the southern part of disposal area DU2, as outlined on the map provided to us. Site 8DU7495 appears to be on the western edge (and probably outside) of disposal area D/A-C. A cultural resource assessment survey of these disposal areas was conducted in 1992 and they probably are not included in the area of impact. However, we were not certain based on the maps provided to us. Ms. Robin Jackson of this office has been in contact with Mr. Donald Fore of the Corps concerning this matter and has arranged to contact him on May 9th after this correspondence has been received to determine if either of the sites actually fall within the disposal areas and are therefore a concern.

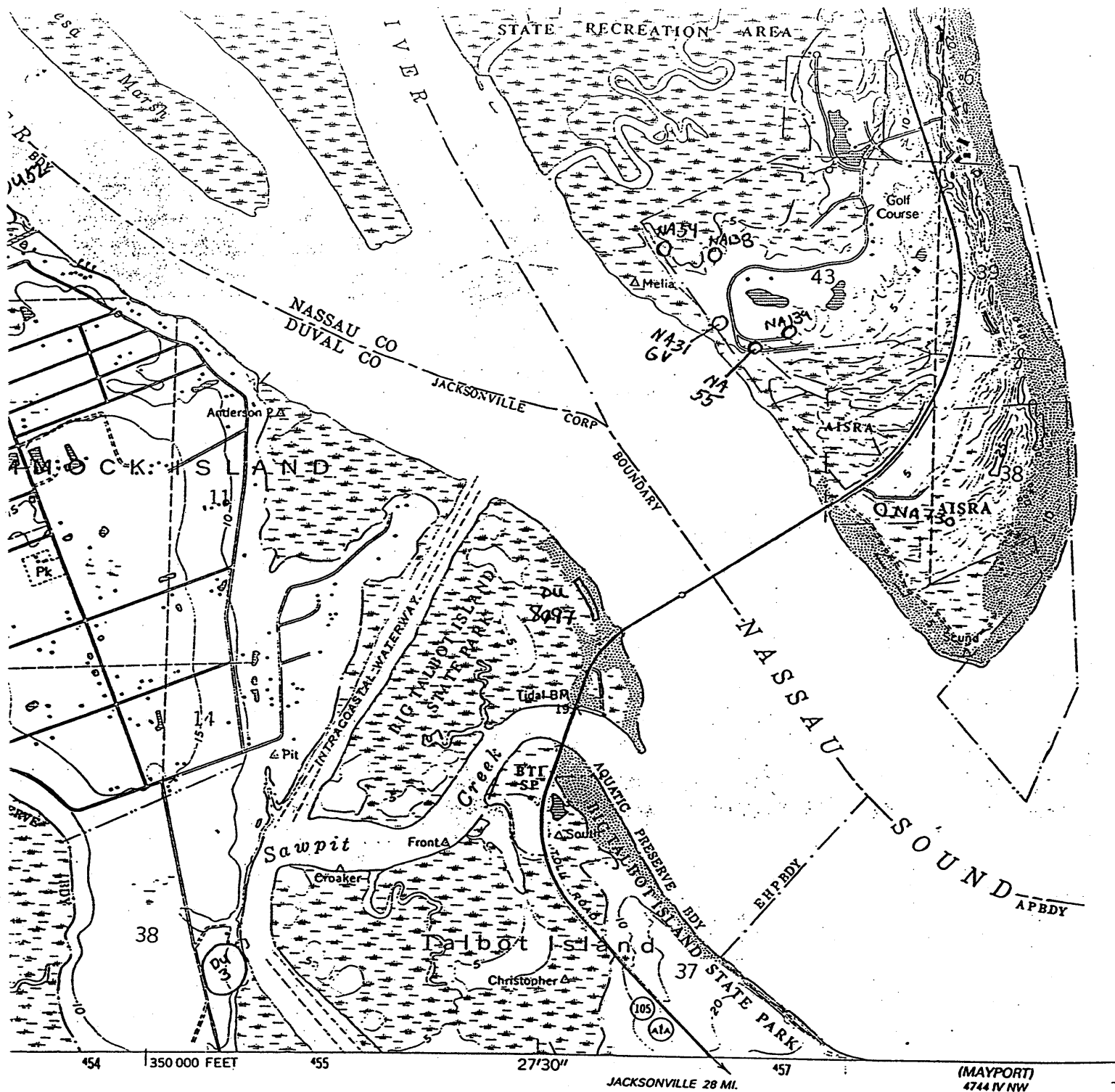
Mr. Hall
April 28, 1995
Page 2

If you have any questions concerning our comments, please do not hesitate to contact us. Your interest in protecting Florida's historic properties is appreciated.

Sincerely,

Laura A. Kammerer
for George W. Percy, Director
Division of Historical Resources
and
State Historic Preservation Officer

GWP/Jrj
xc: Janice Adams, ACOE
Enclosure (2)

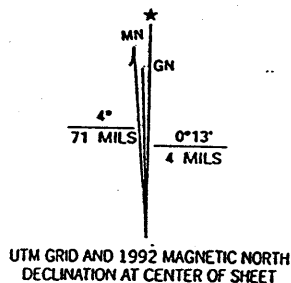


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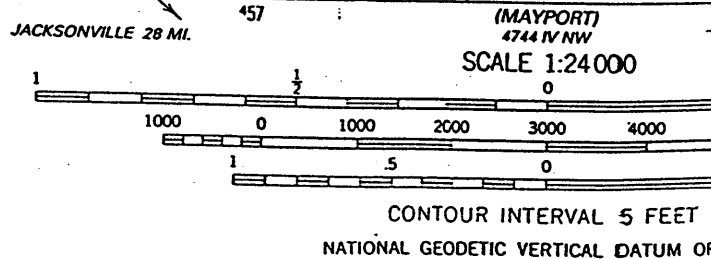
graphs taken 1957

17, shown in blue

red corner ticks
5-minute

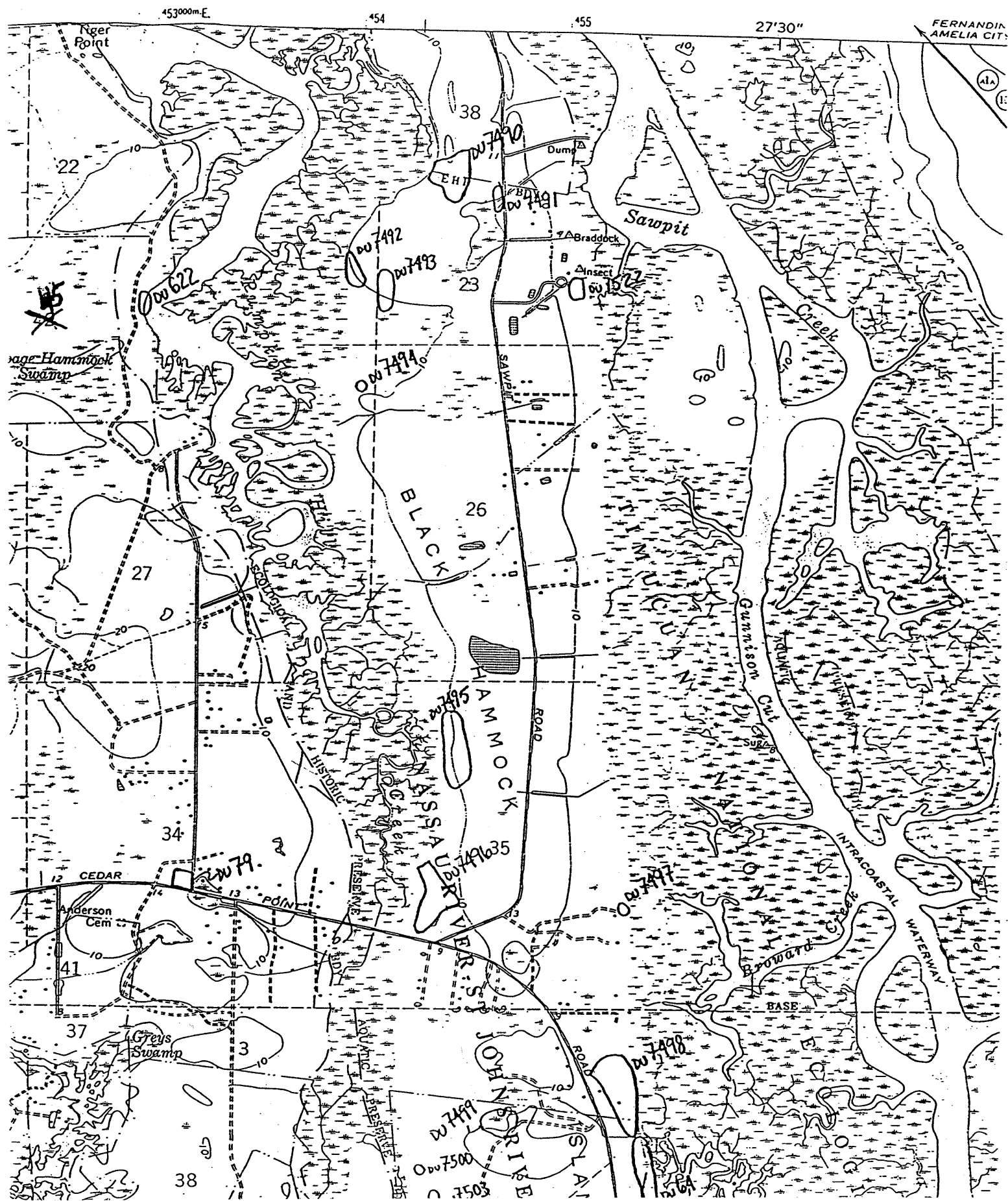


Revisions shown in purple and woodland compiled in cooperation with State of Florida agencies from aerial photographs taken 1989 and other sources. Contours not revised. This information not field checked. Map edited 1992.



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA. A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE.

453000m.E.





DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
P. O. BOX 4970
JACKSONVILLE, FLORIDA 32201

IN REPLY
REFER TO: SAJSP Permits (9248)

20 August 1968

Okefenoke Rural Electric
Membership Corporation
c/o Emory A. Middleton, Asst. Manager
Nahunta, Georgia 31553

Post-it® Fax Note	7671	Date	2-7	# of pages	1
To	Don Fore	From	Chris Western		
Co./Dept.		Co.			
Phone #		Phone #	632-6093		
Fax #	232-3696	Fax #			

Gentlemen:

In accordance with your written request dated 8 July 1968 the revised plans shown on drawing, in 1 sheet, hereto attached, are approved to supersede the plans for the works authorized by the Secretary of the Army in letter dated 25 July 1952 from the District Engineer at Jacksonville, Florida, to construct an aerial electric transmission line across the Intracoastal Waterway, Cumberland Sound to St. Johns River, Sawpit Creek, between Black Hammock Island and Talbot Island in Duval County, Florida. The revised plans provide for removal of previously authorized aerial crossing and replacing it with a submarine cable, loosely on the bottom.

The conditions to which the work is made subject remain in full force and effect. The work is also made subject to the following condition: That the permittee shall assume full responsibility for any and all damage which may be caused by, or to, navigation by reason of the placing of the cable loosely on the bottom.

BY AUTHORITY OF THE SECRETARY OF THE ARMY:

1 Incl
Print, in 1 sheet, marked:
Proposed Submarine Cable

Keith M. Hartshill
for JOHN F. McELHENNY
Colonel, Corps of Engineers
District Engineer